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**GESI** Global  
Environmental  
Solutions, Inc.

2002 MAR 28 P 4: 05

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RCRA PROGRAMS BRANCH

March 27, 2002

Narindar M. Kumar  
RCRA Programs Branch - Waste Management Division  
U.S. Environmental Protection Agency, Region 4  
Atlanta Federal Center  
61 Forsyth Street  
Atlanta, Georgia 30303-8960

Subject: **Chromium Destruct Pit Clean Closure and Status of Plating Line Closure  
Grenada Manufacturing Facility - Grenada, Mississippi  
EPA ID No. MSD 007 037 278  
GESI Project No. 98536.01**

Dear Mr. Kumar:

On behalf of Grenada Manufacturing, LLC, we are submitting the following data that supports the clean closure of the chromium destruct pit (SWMU 14) at the above referenced facility. Also, information on the status of the chromium plating line closure is provided in this letter.

### **SAMPLING RESULTS FOR CHROMIUM DESTRUCT PIT**

Attached are three figures summarizing the sampling analytical results from activities associated with the closure of the chromium destruct pit. Sampling and analysis was conducted in accordance with the Revised Closure Plan for the Chromium Destruct Pit dated September 2001. Figure 1 provides the pH results from the background soil samples. Figure 2 provides the pH, hexavalent chrome, and total chrome results from the soil samples around the destruct pit. Figure 2 also provides the chromium result from the destruct pit rinse water. Analytical reports are presented in Attachment A.

As described in the closure plan, the target levels are as follows.

Docket Number 450411

Parameter	Matrix	Target Level	Source/Basis
Trivalent Chrome	Soil	10,000 mg/Kg	EPA Region IX Preliminary Remediation Guidelines (PRGs) for industrial soil
Hexavalent Chrome	Soil	64 mg/Kg	EPA Region IX Preliminary Remediation Guidelines (PRGs) for industrial soil
Chromium	Water	38 mg/L	Based on soil screening level of 38 mg/Kg (20 times the dilution attenuation factor (DAF)) from Appendix A of the EPA "Soil Screening Guidance: User Guide"

Soil samples were analyzed for total and hexavalent chrome. According to the closure plan, trivalent chrome would be calculated by subtracting the hexavalent chrome results from the total chrome results. All of the soil samples were less than the target level for trivalent chrome.

All of the destruct pit soil samples were less than the target levels for hexavalent chrome. However, the initial destruct pit rinse water sample, exceeded the target level for chromium. However, water from subsequent rain events that collected in the destruct pit was analyzed and contained only 13.5 mg/L, which is below the target level of 38 mg/L.

### **CHROMIUM DESTRUCT PIT CLEAN CLOSURE**

In accordance with the closure plan dated September 26, 2001, the chromium destruct pit will be clean closed since the analytical results for the borings and the rinse water are below the target levels identified in the plan. As indicated in the plan, a registered professional engineer and Grenada Manufacturing, LLC will certify the closure. We propose to proceed with backfilling the chromium destruct pit with compacted sand/soil with a 6-inch thick concrete slab being poured at the surface. We would like to complete the closure of the destruct pit as soon as possible to minimize generation of additional rainwater that may accumulate in the destruct pit and require disposal. Therefore, we ask that you respond as soon as possible so that we may initiate closure.

## **SAMPLING RESULTS FOR CHROMIUM PLATING LINES**

Figure 3 provides the pH, hexavalent chrome, and total chrome results from the soil samples under and around the chrome plating lines. Sample results above target levels are shown in red. All three plating line borings had soil samples that were greater than the target level for hexavalent chrome. Six of the nine soil samples from the plating line borings ranged from 160 mg/Kg to 2,680 mg/Kg. The boring with the highest result was the Plating Line No. 2 boring (PL-2), in which all three of the soil samples from the boring were above the hexavalent chrome target level and ranged from 960 mg/Kg to 2,680 mg/Kg.

Of the six borings surrounding the plating line area, three borings had soil samples that were greater than the target level for hexavalent chrome. Four of the nine soil samples from these borings ranged from 70 mg/Kg to 1,680 mg/Kg. The highest concentrations among these three borings was boring (SS-3) located between Plating Line Nos. 2 and 3 at the junction of the drain lines. Two of the three soil samples from this boring were above the hexavalent chrome target level and ranged from 1,540 mg/Kg to 1,680 mg/Kg.

Although some of the soil sample results exceeded the Region IX Preliminary Remediation Guidelines for hexavalent chromium, all sample results are less than the Industrial Risk Based Concentration for hexavalent chromium of 6,100 mg/Kg.

## **STATUS OF PLATING LINE CLOSURE**

Since analytical results of some of the boring samples in the plating line area are above target levels, additional activities will be necessary. The scope of these additional activities will be discussed at our upcoming meeting with Mr. Don Webster of your office on April 18, 2002.

*March 27, 2002*

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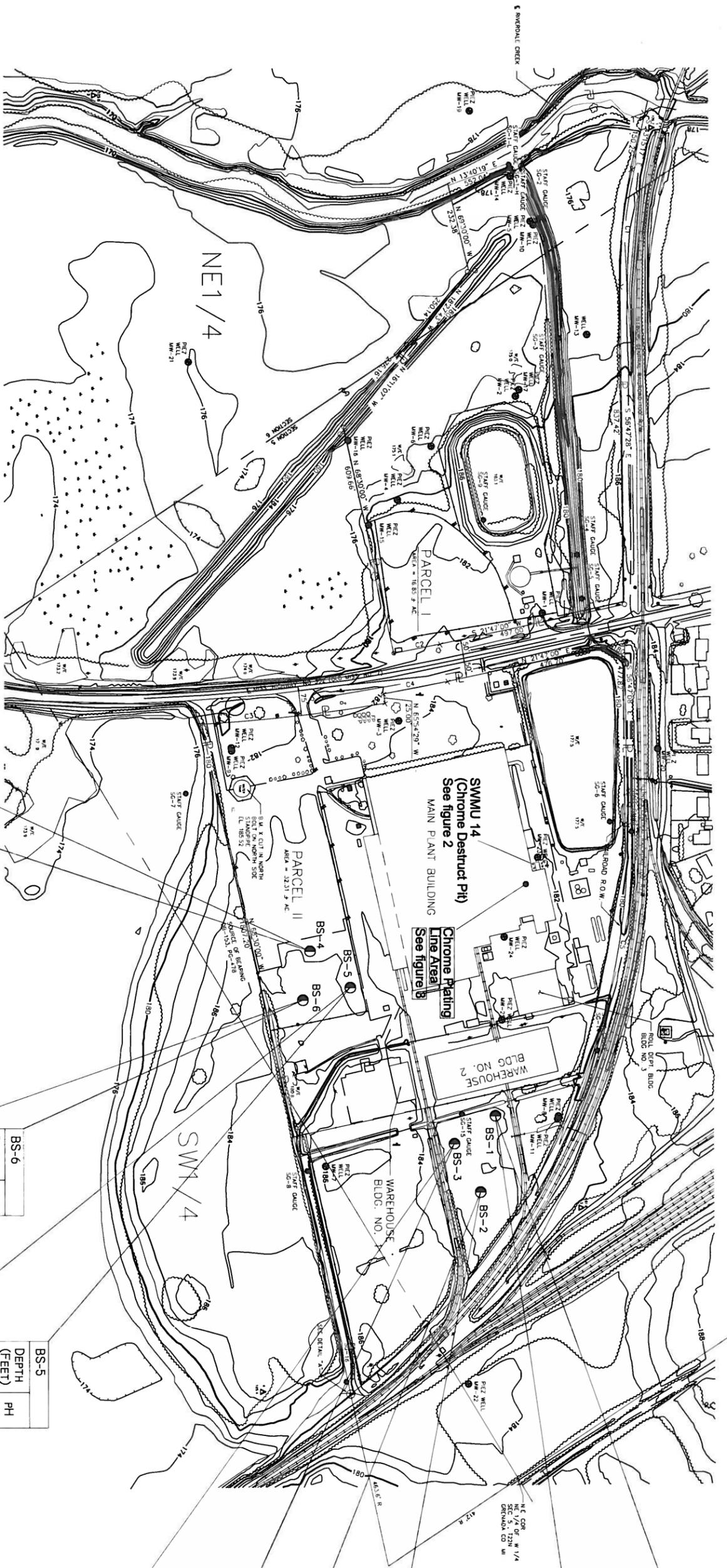
If you have any questions on this letter, please contact Brian Soucy at (770) 579-6097, ext. 221 or Don Williams of Grenada Manufacturing at (662) 226-1161.

Sincerely,  
GLOBAL ENVIRONMENTAL SOLUTIONS, INC.

  
Brian A. Soucy, P.E.  
President

cc: Don Webster - US EPA, Region 4  
Louis Crawford - MS DEQ  
Don Williams - Grenada Manufacturing, LLC  
John Bozick - Arvin Mentor  
John Devic - Collins & Aikman  
Greg Mackin - Collins & Aikman

**FIGURES**



BS-4	DEPTH (FEET)	PH
	0-2	8.0
	2-4	7.4
	4-6	7.6
	6-8	7.4
	8-10	6.9

BS-6	DEPTH (FEET)	PH
	0-2	6.1
	2-4	6.2

BS-5	DEPTH (FEET)	PH
	0-2	7.5
	2-4	6.9
	4-6	6.8
	6-8	6.7
	8-10	7.1

BS-3	DEPTH (FEET)	PH
	0-2	6.2
	2-4	6.4
	4-6	6.3
	6-8	6.8

BS-2	DEPTH (FEET)	PH
	0-2	6.6
	2-4	6.3

BS-1	DEPTH (FEET)	PH
	0-2	6.3
	2-4	6.4
	4-6	6.5

- APPROXIMATE LOCATION OF BACKGROUND BORINGS



GRENADA MANUFACTURING, LLC  
GRENADA, MISSISSIPPI

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**BACKGROUND BORING LOCATION MAP AND ANALYTICAL RESULTS**

PROJECT NO. 98537 01

FIGURE NO. 1

**LEGEND**

- BORING LOCATION (APPROXIMATE)
- UNDERGROUND CHROMIUM DRAINAGE PIPING (LOCATION IS APPROXIMATE)

**DP-7 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	8.36
MIDDLE	0.2	8.74
BOTTOM	ND	758

**DP-9 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	7.12
MIDDLE	ND	10.1
BOTTOM	0.2	6.30

**DP-3 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	8.70
MIDDLE	ND	9.41
BOTTOM	ND	9.53

**DP-6 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	0.4	12.0
MIDDLE	1.0	6.69
BOTTOM	0.2	8.87

**DP-2 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	6.2	26.1
MIDDLE	ND	9.66
BOTTOM	4.2	293

**DP-1 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	228
MIDDLE	ND	10.8
BOTTOM	0.2	17.2

**DP-10 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	8.46
MIDDLE	0.6	593
BOTTOM	ND	751

**DP-11 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	9.78
MIDDLE	1.0	9.64
BOTTOM	1.4	6.95

**DP-8 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	80.1
MIDDLE	ND	57.9
BOTTOM	ND	7.19

**DP-5 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	27.7
MIDDLE	ND	6.59
BOTTOM	ND	8.14

**DP-4 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	12.8
MIDDLE	ND	7.55
BOTTOM	ND	9.16

**DP-4 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	12.8
MIDDLE	ND	7.55
BOTTOM	ND	9.16

**DP-4 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	12.8
MIDDLE	ND	7.55
BOTTOM	ND	9.16

**DP-4 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	12.8
MIDDLE	ND	7.55
BOTTOM	ND	9.16

**DP-4 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	12.8
MIDDLE	ND	7.55
BOTTOM	ND	9.16

**DP-4 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	12.8
MIDDLE	ND	7.55
BOTTOM	ND	9.16

**DP-4 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	12.8
MIDDLE	ND	7.55
BOTTOM	ND	9.16

**DP-4 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	12.8
MIDDLE	ND	7.55
BOTTOM	ND	9.16

**DP-4 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	12.8
MIDDLE	ND	7.55
BOTTOM	ND	9.16

**DP-4 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	12.8
MIDDLE	ND	7.55
BOTTOM	ND	9.16

**DP-4 (MG/KG)**

DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)
TOP	ND	12.8
MIDDLE	ND	7.55
BOTTOM	ND	9.16

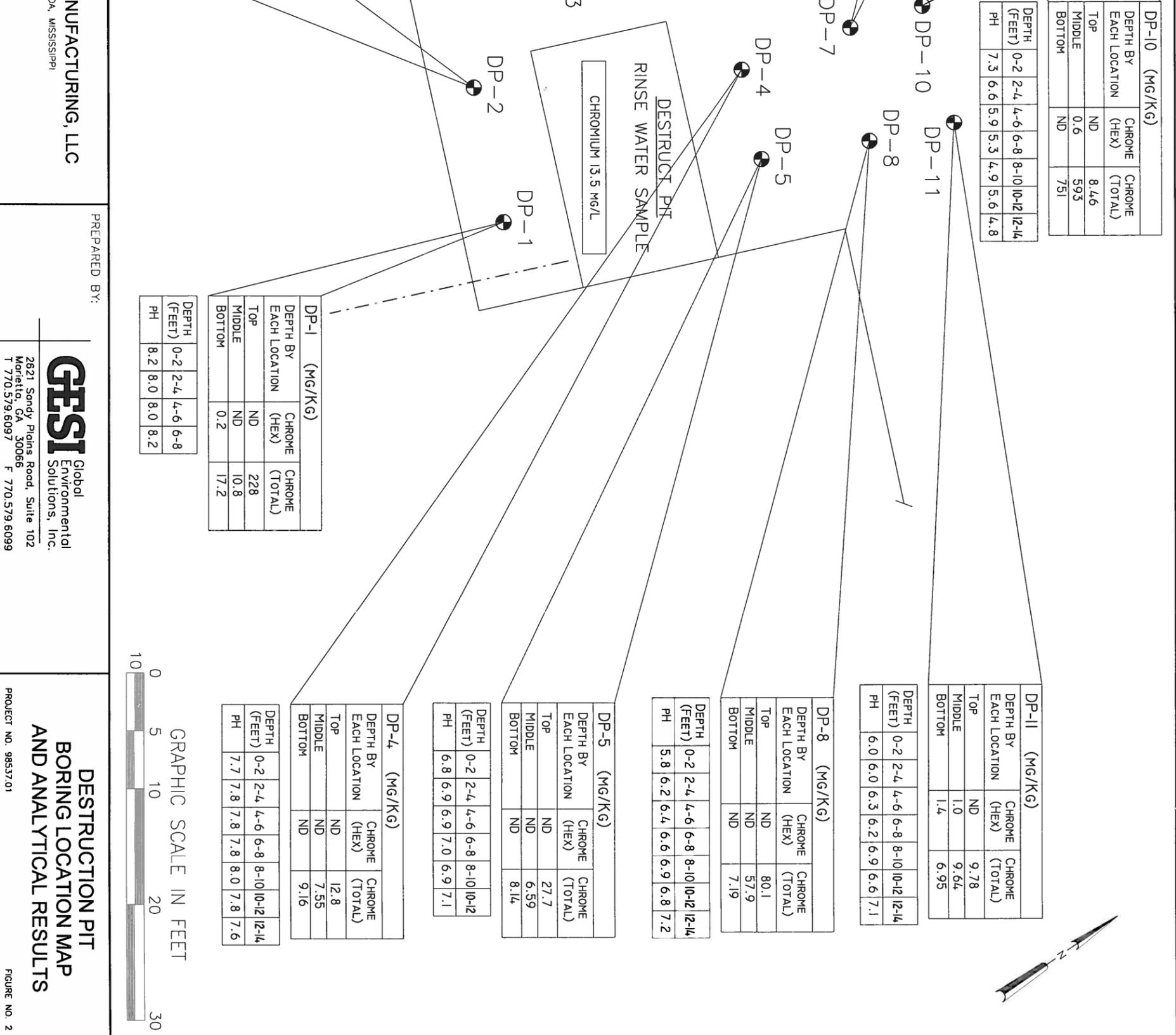
- NOTES:**
- 1.) BORING LOCATIONS AND DEPTHS ARE APPROXIMATE
  - 2.) "TOP" REFERS TO SAMPLE LOCATION AT THE TOP OF THE BORING, BELOW THE SOIL SURFACE.
  - 3.) "BOTTOM" REFERS TO SAMPLE LOCATION ABOVE GROUNDWATER.
  - 4.) "MIDDLE" REFERS TO SAMPLE LOCATION BETWEEN "TOP" AND "BOTTOM".
  - 5.) REGION IX PRELIMINARY REMEDIATION GUIDELINES (PRGS) FOR INDUSTRIAL SOIL:  
CHROME (HEXAVALENT) 64 mg/Kg  
CHROME (TRIVALENT) 10,000 mg/Kg
  - 6.) TARGET LEVEL FOR DESTRUCT PIT RINSE WATER: CHROMIUM 38 mg/L

**GRENADA MANUFACTURING, LLC**  
GRENADA, MISSISSIPPI

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**DESTRUCTION PIT BORING LOCATION MAP AND ANALYTICAL RESULTS**  
PROJECT NO. 98537.01  
FIGURE NO. 2



**LEGEND**

- BORING LOCATION (APPROXIMATE)
- MANHOLE (APPROXIMATE)
- ..... DIVIDING WALL IN CONTAINMENT DIKE
- UNDERGROUND CHROMIUM DRAINAGE PIPING (LOCATION IS APPROXIMATE)

SS-2 (MG/KG)				
DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)	PH	
TOP	ND	8.93	5.6	5.7
MIDDLE	70	211	5.6	5.4
BOTTOM	0.4	9.85	6.0	6.3
DEPTH (FEET)	0-2	2-4	4-6	6-8
	8-10	10-12	12-14	

SS-2

SS-5

SS-5 (MG/KG)				
DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)	PH	
TOP	0.2	16.5	7.1	6.9
MIDDLE	0.2	139	7.3	7.2
BOTTOM	1.0	79.9	7.8	7.8
DEPTH (FEET)	0-2	4-6	6-8	8-10
	10-12	12-14	14-16	



SS-1 (MG/KG)				
DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)	PH	
TOP	ND	9.21	5.2	5.4
MIDDLE	138	355	5.8	5.4
BOTTOM	7.0	24.4	5.8	5.5
DEPTH (FEET)	0-2	2-4	4-6	6-8
	8-10	10-12	12-14	

SS-1

SS-3

SS-3 (MG/KG)				
DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)	PH	
TOP	ND	16.0	6.6	6.6
MIDDLE	1680	2700	5.9	3.7
BOTTOM	1540	7770	3.7	3.8
DEPTH (FEET)	0-2	2-4	4-6	6-8
	8-10	10-12	12-14	

SS-4

SS-6 (MG/KG)				
DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)	PH	
TOP	ND	9.24	7.1	7.6
MIDDLE	42	4.31	7.3	7.8
BOTTOM	2.2	121	6.9	6.0
DEPTH (FEET)	0-2	2-4	4-6	6-8
	8-10	10-12	12-14	14-16
	16-18	18-20	6.0	5.4
			6.3	

SS-6

CHROME LINE 2

CHROME LINE 3

SS-4 (MG/KG)				
DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)	PH	
TOP	ND	10.3	8.4	8.7
MIDDLE	ND	8.10	8.1	8.0
BOTTOM	0.4	8.64	7.8	7.7
DEPTH (FEET)	0-2	2-4	4-6	6-8
	8-10	10-12	12-14	14-16

PL-3 (MG/KG)				
DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)	PH	
TOP	ND	30.3	6.4	6.2
MIDDLE	160	523	8.5	9.3
BOTTOM	ND	15.1	9.1	8.7
DEPTH (FEET)	0-2	2-4	4-6	6-8
	8-10	10-12	12-14	14-16

PL-1 (MG/KG)				
DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)	PH	
TOP	600	2480	8.2	7.5
MIDDLE	480	858	7.8	5.4
BOTTOM	0.4	148	5.4	5.1
DEPTH (FEET)	0-2	2-4	4-6	6-8
	8-10	10-12	12-14	

PL-1

PL-2

PL-2 (MG/KG)				
DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)	PH	
TOP	2220	6100	4.2	3.3
MIDDLE	2680	7340	3.3	3.9
BOTTOM	960	2970	4.1	3.5
DEPTH (FEET)	0-2	2-4	4-6	6-8
	8-10	10-12	12-14	

PL-2 (MG/KG)				
DEPTH BY EACH LOCATION	CHROME (HEX)	CHROME (TOTAL)	PH	
TOP	2220	6100	4.2	3.3
MIDDLE	2680	7340	3.3	3.9
BOTTOM	960	2970	4.1	3.5
DEPTH (FEET)	0-2	2-4	4-6	6-8
	8-10	10-12	12-14	



**NOTES:**

- 1.) BORING LOCATIONS AND DEPTHS ARE APPROXIMATE
- 2.) "TOP" REFERS TO SAMPLE LOCATION AT THE TOP OF THE BORING, BELOW THE SOIL SURFACE.
- 3.) "BOTTOM" REFERS TO SAMPLE LOCATION ABOVE GROUNDWATER.
- 4.) "MIDDLE" REFERS TO SAMPLE LOCATION BETWEEN "TOP" AND "BOTTOM".
- 5.) REGION IX PRELIMINARY REMEDIATION GUIDELINES (PRGS) FOR INDUSTRIAL SOIL:  
 CHROME (HEXVALENT) 64 mg/Kg  
 CHROME (TRIVALENT) 10,000 mg/Kg
- 6.) PLATING LINE PITS ARE APPROXIMATELY 4 FEET BELOW PLANT FLOOR.

**GRENADA MANUFACTURING, LLC**  
 GRENADA, MISSISSIPPI

PREPARED BY:

**GESI** Global Environmental Solutions, Inc.  
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**PLATING LINE/DRAIN PIPING BORING LOCATION MAP AND ANALYTICAL RESULTS**

PROJECT NO. 9853701

FIGURE NO. 3

**ATTACHMENT A**  
**Analytical Reports**

ARGUS ANALYTICAL, INC.

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NEIAP Accredited  
LEIAP 04023

To: Grenada Manufacturing  
Don Williams  
635 Highway 332 E.  
Grenada MS 38901

Date Reported: 03/25/02

Date Sampled: 03/21/02

Time Sampled: 14:41

Sampled by: DW

Project ID/Location: Distruction Pit Analysis

Date Received: 03/22/02

Sample Description: Water Sample

Sample Number: BB27319

Project Number:

Sample Matrix: WATER

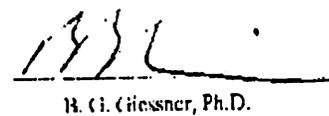
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium	13.5	0.05	mg/L	200.7	BTH	03/22/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

argusnd

  
Quality Assurance/Quality Control

  
R. G. Giessner, Ph.D.

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited  
LELAP 04023

**To:** Global Environmental Solutions  
2621 Sandy Plains Road  
Suite 102  
Marietta, GA 30066  
ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 09:10

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-1 Top

**Sample Number:** BB25080

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	228	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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Quality Assurance/Quality Control



B. G. Giessner, Ph.D.

ARGUS ANALYTICAL, INC.

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Ridgeland, Mississippi 39157

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To: Global Environmental Solutions  
2621 Sandy Plains Road  
Suite 102  
Marietta, GA 30066  
ATTN: Charles Schendl, P.E.

Date Reported: 02/19/02

Date Sampled: 02/12/02

Time Sampled: 09:12

Sampled by: JB

Project ID/Location: Destruction Pit Closure  
Grenada Manufacturing

Date Received: 02/12/02

Sample Description: DP-1 Mid

Sample Number: BB25081

Project Number: 98537.01

Sample Matrix: SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	10.8	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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**To:** Global Environmental Solutions  
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Suite 102  
Marietta, GA 30066  
ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 09:20

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-1 Bottom

**Sample Number:** BB25082

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	0.2	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	17.2	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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2621 Sandy Plains Road  
Suite 102  
Marietta, GA 30066  
ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02  
**Date Sampled:** 02/12/02  
**Time Sampled:** 09:15  
**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-2 Top

**Sample Number:** BB25083

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	6.2	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	26.1	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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B. G. Giessner, Ph.D.

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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 09:20

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-2 Mid

**Sample Number:** BB25084

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	9.66	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02  
**Date Sampled:** 02/12/02  
**Time Sampled:** 09:30  
**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-2 Bottom

**Sample Number:** BB25085

**Project Number:** 98537.01

**Sample Matrix:** SOIL

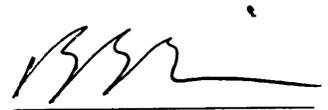
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	4.2	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	293	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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LELAP 04023

**To:** Global Environmental Solutions  
2621 Sandy Plains Road  
Suite 102  
Marietta, GA 30066  
ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 09:42

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-3 Top

**Sample Number:** BB25086

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	8.70	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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Suite 102  
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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 09:55

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-3 Mid

**Sample Number:** BB25087

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	9.41	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 10:20

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-4 Top

**Sample Number:** BB25089

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	12.8	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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Date Reported: 02/19/02

Date Sampled: 02/12/02

Time Sampled: 10:45

Sampled by: JB

Project ID/Location: Destruction Pit Closure  
Grenada Manufacturing

Date Received: 02/12/02

Sample Description: DP-4 Mid

Sample Number: BB25090

Project Number: 98537.01

Sample Matrix: SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	7.55	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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**Date Reported:** 02/19/02  
**Date Sampled:** 02/12/02  
**Time Sampled:** 10:55  
**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-4 Bottom

**Sample Number:** BB25091

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	9.16	1.25	mg/Kg	6010B	BTH	02/18/02

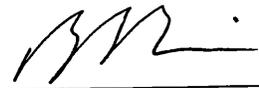
ND = Not Detected

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Date Reported: 02/19/02

Date Sampled: 02/12/02

Time Sampled: 11:00

Sampled by: JB

Project ID/Location: Destruction Pit Closure  
Grenada Manufacturing

Date Received: 02/12/02

Sample Description: DP-5 Top

Sample Number: BB25092

Project Number: 98537.01

Sample Matrix: SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	27.7	1.25	mg/Kg	6010B	BTH	02/18/02

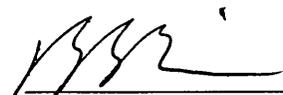
ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 11:10

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-5 Mid

**Sample Number:** BB25093

**Project Number:** 98537.01

**Sample Matrix:** SOIL

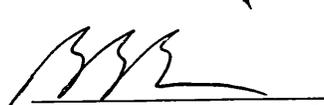
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	6.59	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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Date Reported: 02/19/02

Date Sampled: 02/12/02

Time Sampled: 11:12

Sampled by: JB

Project ID/Location: Destruction Pit Closure  
Grenada Manufacturing

Date Received: 02/12/02

Sample Description: DP-5 Bottom

Sample Number: BB25094

Project Number: 98537.01

Sample Matrix: SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	8.14	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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Date Reported: 02/19/02

Date Sampled: 02/12/02

Time Sampled: 11:25

Sampled by: JB

Project ID/Location: Destruction Pit Closure  
Grenada Manufacturing

Date Received: 02/12/02

Sample Description: DP-6 Top

Sample Number: BB25095

Project Number: 98537.01

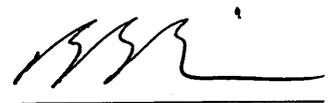
Sample Matrix: SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	0.4	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	12.0	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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Date Reported: 02/19/02

Date Sampled: 02/12/02

Time Sampled: 11:30

Sampled by: JB

Project ID/Location: Destruction Pit Closure  
Grenada Manufacturing

Date Received: 02/12/02

Sample Description: DP-6 Mid

Sample Number: BB25096

Project Number: 98537.01

Sample Matrix: SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	1.0	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	6.69	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 11:35

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-6 Bottom

**Sample Number:** BB25097

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	0.2	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	8.87	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 12:15

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-7 Top

**Sample Number:** BB25098

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	8.36	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 13:00

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-7 Mid

**Sample Number:** BB25099

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	0.2	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	8.74	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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**Date Reported:** 02/19/02  
**Date Sampled:** 02/12/02  
**Time Sampled:** 13:10  
**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-7 Bottom

**Sample Number:** BB25100

**Project Number:** 98537.01

**Sample Matrix:** SOIL

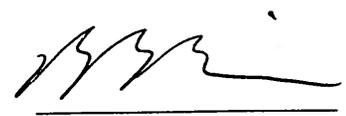
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	758	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 13:15

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-8 Top

**Sample Number:** BB25101

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	80.1	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 13:20

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-8 Mid

**Sample Number:** BB25102

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	57.9	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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**Date Reported:** 02/19/02  
**Date Sampled:** 02/12/02  
**Time Sampled:** 13:25  
**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-8 Bottom

**Sample Number:** BB25103

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	7.19	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 13:30

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-9 Top

**Sample Number:** BB25104

**Project Number:** 98537.01

**Sample Matrix:** SOIL

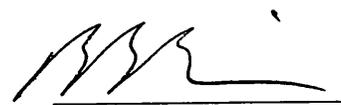
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	7.12	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02  
**Date Sampled:** 02/12/02  
**Time Sampled:** 13:35  
**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-9 Mid

**Sample Number:** BB25105

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	10.1	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 13:45

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-9 Bottom

**Sample Number:** BB25106

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	0.2	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	6.30	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 13:55

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-10 Top

**Sample Number:** BB25107

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	8.46	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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**To:** Global Environmental Solutions  
2621 Sandy Plains Road  
Suite 102  
Marietta, GA 30066  
ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 14:00

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-10 Mid

**Sample Number:** BB25108

**Project Number:** 98537.01

**Sample Matrix:** SOIL

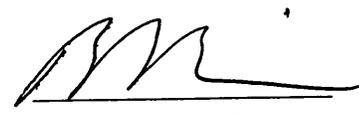
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	0.6	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	593	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 14:15

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-10 Bottom

**Sample Number:** BB25109

**Project Number:** 98537.01

**Sample Matrix:** SOIL

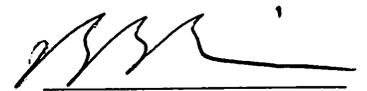
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	751	1.25	mg/Kg	6010B	BTH	02/18/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 14:30

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-11 Top

**Sample Number:** BB25110

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	9.78	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 14:40

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-11 Mid

**Sample Number:** BB25111

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	1.0	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	9.64	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 14:50

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** DP-11 Bottom

**Sample Number:** BB25112

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	1.4	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	6.95	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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ATTN: Charles Schendl, P.E.

Date Reported: 02/19/02  
Date Sampled: 02/12/02  
Time Sampled: 16:13  
Sampled by: JB

Project ID/Location: Destruction Pit Closure  
Grenada Manufacturing

Date Received: 02/12/02

Sample Description: PL-1 Top

Sample Number: BB25113

Project Number: 98537.01

Sample Matrix: SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	600	20.0	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	2480	12.5	mg/Kg	6010B	BTH	02/19/02

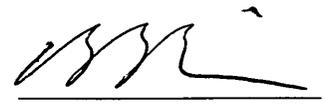
ND = Not Detected

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Date Sampled: 02/12/02

Time Sampled: 16:20

Sampled by: JB

Project ID/Location: Destruction Pit Closure  
Grenada Manufacturing

Date Received: 02/12/02

Sample Description: PL-1 Mid

Sample Number: BB25114

Project Number: 98537.01

Sample Matrix: SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	480	20.0	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	858	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/12/02

**Time Sampled:** 16:30

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/12/02

**Sample Description:** PL-1 Bottom

**Sample Number:** BB25115

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	0.4	0.20	mg/Kg	1310A/7196	JWH	02/14/02
Chromium	148	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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Date Reported: 02/19/02

Date Sampled: 02/13/02

Time Sampled: 08:40

Sampled by: JB

Project ID/Location: Destruction Pit Closure  
Grenada Manufacturing

Date Received: 02/13/02

Sample Description: PL-2 Top

Sample Number: BB25199

Project Number: 98537.01

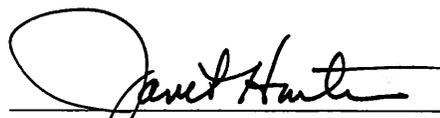
Sample Matrix: SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	2220	20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	6100	62.5	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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Janet Hunt  
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**Date Sampled:** 02/13/02

**Time Sampled:** 08:50

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** PL-2 Middle

**Sample Number:** BB25200

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	2680	40	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	7340	62.5	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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**Date Reported:** 02/19/02  
**Date Sampled:** 02/13/02  
**Time Sampled:** 09:00  
**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** PL-2 Bottom

**Sample Number:** BB25201

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	960	20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	2970	12.5	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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**Date Reported:** 02/19/02  
**Date Sampled:** 02/13/02  
**Time Sampled:** 09:20  
**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** PL-3 Top

**Sample Number:** BB25202

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	30.3	1.25	mg/Kg	6010B	BTH	02/19/02

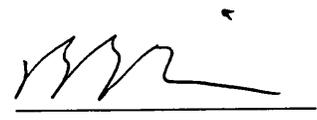
ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 09:30

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** PL-3 Middle

**Sample Number:** BB25203

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	160	20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	523	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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**Date Reported:** 02/19/02  
**Date Sampled:** 02/13/02  
**Time Sampled:** 09:40  
**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** PL-3 Bottom

**Sample Number:** BB25204

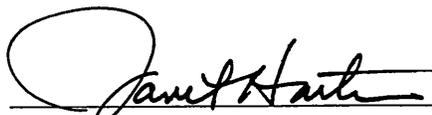
**Project Number:** 98537.01

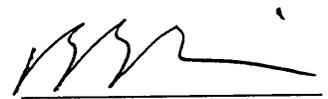
**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	15.1	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 09:50

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-4 Top

**Sample Number:** BB25205

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	10.3	1.25	mg/Kg	6010B	BTH	02/19/02

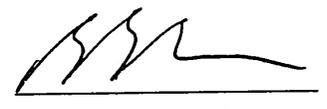
ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 10:10

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-4 Middle

**Sample Number:** BB25206

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	8.10	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 10:20

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-4 Bottom

**Sample Number:** BB25207

**Project Number:** 98537.01

**Sample Matrix:** SOIL

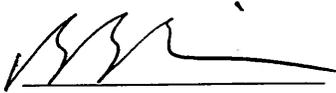
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	0.4	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	8.64	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 10:35

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-5 Top

**Sample Number:** BB25208

**Project Number:** 98537.01

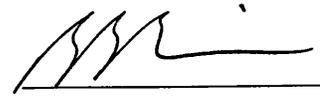
**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	0.2	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	16.5	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 11:10

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-3 Top

**Sample Number:** BB25211

**Project Number:** 98537.01

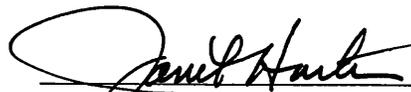
**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	16.0	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 11:20

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-3 Middle

**Sample Number:** BB25212

**Project Number:** 98537.01

**Sample Matrix:** SOIL

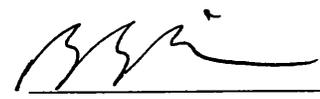
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	1680	20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	2700	12.5	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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LELAP 04023

**To:** Global Environmental Solutions  
2621 Sandy Plains Road  
Suite 102  
Marietta, GA 30066  
ATTN: Charles Schendl, P.E.

**Date Reported:** 02/20/02

**Date Sampled:** 02/13/02

**Time Sampled:** 11:30

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-3 Bottom

**Sample Number:** BB25213

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	1540	20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	7770	62.5	mg/Kg	6010B	BTH	02/19/02

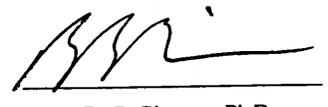
ND = Not Detected

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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 13:15

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-2 Top

**Sample Number:** BB25214

**Project Number:** 98537.01

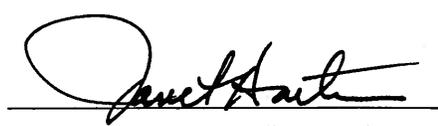
**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	8.93	1.25	mg/Kg	6010B	BTH	02/19/02

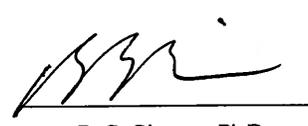
ND = Not Detected

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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 13:30

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-2 Middle

**Sample Number:** BB25215

**Project Number:** 98537.01

**Sample Matrix:** SOIL

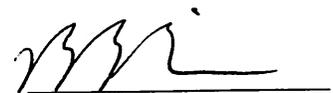
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	70	2.0	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	211	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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ATTN: Charles Schendl, P.E.

Date Reported: 02/19/02

Date Sampled: 02/13/02

Time Sampled: 13:40

Sampled by: JB

Project ID/Location: Destruction Pit Closure  
Grenada Manufacturing

Date Received: 02/13/02

Sample Description: SS-2 Bottom

Sample Number: BB25216

Project Number: 98537.01

Sample Matrix: SOIL

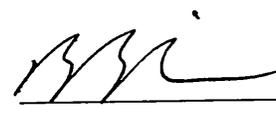
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	0.4	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	9.85	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 13:55

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-1 Top

**Sample Number:** BB25217

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	9.21	1.25	mg/Kg	6010B	BTH	02/19/02

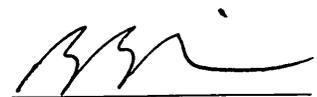
ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 14:10

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-1 Middle

**Sample Number:** BB25218

**Project Number:** 98537.01

**Sample Matrix:** SOIL

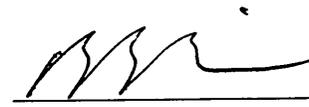
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	138	2.0	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	355	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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**Date Reported:** 02/19/02  
**Date Sampled:** 02/13/02  
**Time Sampled:** 14:20  
**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-1 Bottom

**Sample Number:** BB25219

**Project Number:** 98537.01

**Sample Matrix:** SOIL

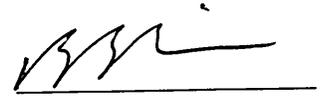
Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	7.0	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	24.4	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 14:40

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-6 Top

**Sample Number:** BB25220

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	ND	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	9.24	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

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ATTN: Charles Schendl, P.E.

**Date Reported:** 02/19/02

**Date Sampled:** 02/13/02

**Time Sampled:** 14:50

**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-6 Middle

**Sample Number:** BB25221

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	42	2.0	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	431	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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**Date Reported:** 02/19/02  
**Date Sampled:** 02/13/02  
**Time Sampled:** 15:00  
**Sampled by:** JB

**Project ID/Location:** Destruction Pit Closure  
Grenada Manufacturing

**Date Received:** 02/13/02

**Sample Description:** SS-6 Bottom

**Sample Number:** BB25222

**Project Number:** 98537.01

**Sample Matrix:** SOIL

Parameter	Result	Det Limit	Units	Method	Analysts	Date
Chromium, Hexavalent	2.2	0.20	mg/Kg	1310A/7196	JWH	02/15/02
Chromium	121	1.25	mg/Kg	6010B	BTH	02/19/02

ND = Not Detected

Unless otherwise noted, all results are reported on the as received basis.

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